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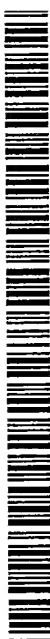


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WO 2004/034790 A1

(54) Title: A PROCESS FOR PRODUCING HERBICIDES FROM A FUNGUS **ALTERNARIA ALTERANATA** F.SP. LANTANAE

(57) Abstract: A process for producing herbicides from a fungus *Alternaria alteranata* f. sp. *lantanae* deposited as apure culture as ITCC-4896 which comprises in steps culturing the fungus in a liquid broth, subjecting the brith to the step of filtration to separate the broth containing phytotoxins from mycelium extraction the phytotoxins from said broth to obtain the phytotoxins, subjecting the phytotoxins to the step of chemical characterization.



A process for producing herbicides from a fungus *Alternaria alternata* f.sp. *lantanae*.

FIELD OF INVENTION

- 5 This invention relates to a process of preparing herbicide from a fungus *Alternaria alternata* f.sp. *lantanae* and herbicides prepared therefrom. Such a fungus has been deposited as a pure culture as ITCC-4896.

BACKGROUND OF INVENTION

- 10 It is generally known that fungus *Alternaria alternata* is present on a host plant. Depending on the species, such a fungus can cause a disease to the host plant, simultaneously, it is known that lantana weed causes damage to agricultural and forestry plants.

- As a result of the increasing environmental and health-related caused by the synthetic agrochemicals currently used, suitable and non-hazardous
15 innovative alternatives are being sought. The persistence and long-term toxicity of xenobiotics to non-target organisms, including humans, has generated concern, regarding their further use, and this has necessitated the re-evaluation of synthetic chemicals as a final solution to pest disease management (Stevens 1991). Recently, 2,4-dichlorophenoxyacetic acid has
20 been banned in certain countries because of deleterious effects on farmers (Szmedra 1997).

Weeds are very important crop pests. Herbicides for weed control are the leading type of pesticides in terms of both expenditure and volume used.



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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/531,846	09/28/2005	1616	1030	4544-051198		15	1

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Applicant(s)

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Power of Attorney: The patent practitioners associated with Customer Number **28289**.

Domestic Priority data as claimed by applicant

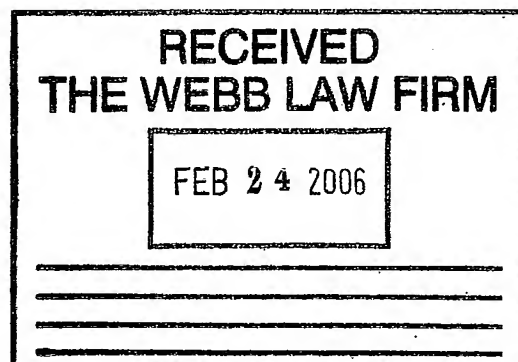
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Title

Process for producing herbicides from a fungus alternaria alternata f.sp. lantanae

Preliminary Class

PART B - FEE(S) TRANSMITTAL

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TITLE OF INVENTION: PROCESS FOR PRODUCING HERBICIDES FROM A FUNGUS ALTERNARIA ALTERANATA F.SP. LANTANAE

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EXAMINER	ART UNIT	CLASS-SUBCLASS
MARX, IRENE	1651	435-254100

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